

enlarged compared with the structure of an on-coil IC chip per se, but also costs are lowered for a smaller number of elements and improved reliability when applying the non-contact information medium into card are realized.

The IC module disclosed in FIG. 3 of Emori et al. discloses a module substrate 9 in which a terminal electrode 7 is formed on one surface and coil 8 is formed on the other surface, the IC chip 6 disposed on the substrate 9 is connected with the said substrate by wire-bonding.

In contrast, the IC module in this invention is the IC element which is formed integrally with a communication antenna; therefore, connecting means (wire-bonding) for connecting the substrate 9 and the substrate disclosed in the Emori et al. is not necessary.

For the foregoing reasons, reconsideration of the objections and rejections of record is respectfully requested, and an early notice of allowance is earnestly solicited.

### **Conclusion**

Attached hereto is a marked-up version of the changes made to the application by this Amendment.

In the event there are any matters remaining in this application, the Examiner is invited to contact Mr. Joseph A. Kolasch, Registration No. 22,463 at (703) 205-8000 in the Washington, D.C. area.

Pursuant to the provisions of 37 C.F.R. 1.17 and 1.136(a), the Applicant hereby petitions for an extension of three (3) months to April 4, 2003 for the period in which to file a

response to the Office Action dated October 4, 2002. A check for the required extension fee of \$930.00 is enclosed herewith.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

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Attachment: Version with Markings to Show Changes Made

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

**Claims 2, 3, and 12-22 have been canceled.**

**The claims have been amended as follows:**

1. (amended) A non-contact information medium comprising:  
a booster unit having a first coil, capable of wireless-communicating with an external apparatus by utilizing an electromagnetic induction; and  
an IC (integrated circuit) module capable of communicating with said external apparatus via said booster unit in a non-contact manner in such a way that said IC module ~~is electromagnetically coupled to said booster unit so as to wireless-communicate with said booster unit~~includes IC element and a second coil electrically connected and formed integrally with said IC element for transmitting/receiving data to/from said external apparatus through said first coil formed on said booster unit.--

4. (amended) A non-contact information medium as claimed in claim 21 wherein:

said IC element owns a memory unit.